

ECS Configuration Change Request

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CCR No. 98-0740	ged Date 06/25/98	Rev. —	Request Type CCR
Priority Routine <input type="checkbox"/> Urgent <input type="checkbox"/> Emergency <input checked="" type="checkbox"/>	Affected Release V 2.0	Change Class II	
Title (description) Add one more CPU to g0mss10 to alleviate CPU overload causing priority 1 NCR ECSed15785 AND BACKUP SERVICE g0mss12			
Documents Affected GSFC Hardware Diagram 920-TDG-001	Source Nos (RID, NCR, Action Item, GSFC CCR, etc.) or Tech Reference ECSed15785		
RTM Change <input type="checkbox"/> Start New Baseline <input type="checkbox"/>			
Problem Current problems were encountered while running chaining of PGEs 1, 2, 3, and 4 in TS1 mode. g0mss10 currently stops functioning when overloaded. This can happen daily depending on system utilization. This failure causes the entire system to stop and lock up. The only fix is to recycle power on the machine to restore functionality. g0mss10 currently supports Clearcase, automounting of all user's home directories, NFS "Network File System", and all automounted software tools. The custom code "in all three modes" uses NFS. When NFS goes down the system "all three modes" stops working.			
Proposed Solution It is proposed that ECS deploy two Sun CPU's 167Mhz from stock into g0mss10 and its backup g0mss02. This will correct the current CPU overload and also correct a design deficiency discovered between all DAAC's. Two DAAC's (EDC and LaRC) already have two CPU's in their primary MSS File Servers, two DAAC's (GSFC and NSIDC) do not. A future CCR will handle the design deficiency of NSIDC on the primary MSS file server, as well as all secondary backup MSS servers (except GSFC via this CCR) at all DAAC's which all have only one CPU in them.			
NEED DATE: 06/25/98			
Impact Analysis: Organizations Affected: BOO <input type="checkbox"/> Contracts <input type="checkbox"/> ECS Chief Eng <input type="checkbox"/> FOS <input type="checkbox"/> M&O <input checked="" type="checkbox"/> Procurement <input type="checkbox"/> OO <input type="checkbox"/> Rel. Dev <input type="checkbox"/> Rel. A <input type="checkbox"/> Rel. C <input type="checkbox"/> SCDO Arch. <input type="checkbox"/> Science Off <input type="checkbox"/> Security <input type="checkbox"/> Subcontract <input type="checkbox"/> Sys. Eng <input checked="" type="checkbox"/> Sys Verif Acpt <input type="checkbox"/>			
Cost: None <input checked="" type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Large <input type="checkbox"/> (Not exceeding \$100,000) (\$100,000 to \$500,000) (Over \$500,000)			
Schedule: None <input checked="" type="checkbox"/> Other _____ Additional LOC _____ Man-Months _____ Materials _____			
Originator Randy Bollinger, SED		Signature <i>Randy J. Bollinger</i> Date 6/25/98	
Office SED		Office Manager Signature <i>Joe L...</i> Date 6/26/98	
Disposition Approved <input checked="" type="checkbox"/> Approved w/Comment <input type="checkbox"/> Forward <input type="checkbox"/> Disapproved <input type="checkbox"/>			
Comments: CCB Chairperson Signature <i>Joe L...</i> Date 6/26/98			

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